

Notice of Allowability

Application No.

09/932,085

Applicant(s)

MCCORMACK, JAMES JOSEPH
ANTHONY

Examiner

Jimmy H. Nguyen

Art Unit

2673

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the appeal brief filed on 10/20/04.
2. ☒ The allowed claim(s) is/are 1-9.
3. ☒ The drawings filed on 28 August 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date hereto.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Frank Keegan on December 2, 2004.

2. The application has been amended as follows:

Claim 7, line 2, replace "further including a common node" with -- wherein the common node is--.

Response to Arguments

3. Applicant's arguments, see page 7, lines 1-6, of the appeal brief, filed 10/20/2004, with respect to independent claims 1, 5 and 6, have been fully considered and are persuasive. The rejections under 35 USC 103(a) in the last final Office action dated 3/30/2004 have been withdrawn.
4. Applicant's argument, see page 6 of the amendment filed on 5/24/2004 with respect to the drawing objection under 37 CFR 1.83(a), has been fully reconsidered and is persuasive. The drawing objection in the last final Office action dated 3/30/2004 has been withdrawn.
5. Claims 1-9 are allowed.

Reasons For Allowance

6. The following is an examiner's statement of reasons for allowance: the present claimed invention is directed to an energy recovery matrix display driver circuit for generating a voltage

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having a periodically changing polarity across a capacitor load. Each independent claim identifies the uniquely distinct feature, "a switch circuit connected in parallel with the inductor for circulating a current through the inductor in a loop formed by said switch circuit and said inductor, said loop being closed not later than an instant at which said current changes polarity at the end of the resonance period". The closest prior arts, as discussed in the Office action dated 3/30/2004, Weber et al. (USPN: 4,866,349) and Moon (USPN: 6,111,556), both disclosing an energy recovery matrix display driver circuit as recited in independent claims 1, 5 and 6, except for the claimed switch circuit, and Lo (USPN: 6,483,490 B1) disclosing an energy recovery matrix display driver circuit including a bidirectional switch circuit connected in parallel with the inductor (L1/L2), for resonating the inductor with the panel capacitor Cp and transferring a part of energy in the inductor to a capacitor (C1/C2) connected in series with the bidirectional switch circuit (fig. 7, col. 6, lines 36-60), either singularly or in combination, fail to anticipate or render the above underlined limitations obvious.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

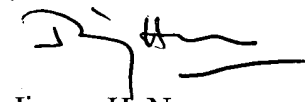
7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jimmy H. Nguyen whose telephone number is (703) 306-5422. The examiner can normally be reached on Monday - Thursday, 8:00 a.m. - 5:00 p.m..

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin Shalwala can be reached at (703) 305-4938. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JHN
December 3, 2004



Jimmy H. Nguyen
Primary Examiner
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